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WHAT IS CLAIMED IS:

1. A printed wiring board printhead for forming an image on electric paper comprising

a glass substrate having a first planar surface and a second planar surface, said first planar surface and said second planar surface being substantially parallel, said glass substrate having an edge between said first planar surface and said second planar surface;

a plurality of conductive traces formed on said first planar surface of said glass substrate;

a plurality of conductive bonding pads formed on said first planar surface of said glass substrate;

a plurality of electrodes formed on said first planar surface of said glass substrate and partially on said edge of said glass substrate, said plurality of conductive traces connecting said a plurality of conductive bonding pads to said plurality of electrodes, said plurality of electrodes being substantially parallel and equally spaced apart; and

driving means connected to said plurality of conductive bonding pads to send an electrical signal to each of said plurality of electrodes, said electrical signal generating an electric field between said electrode and said electric paper for controlling the corresponding individual pixel of said electric paper to form said image.

- 2. The printed wiring board printhead for forming an image on electric paper of claim 1 wherein said electric paper comprises a retaining medium with a plurality of rotatable elements, said rotatable elements having at least two different colored sides and an electrical anisotropy, each of said plurality of electrodes having a corresponding rotatable element such that said electric field between said electrode and said electric paper causes said corresponding rotatable element to rotate to display one of said at least two different colored sides.
- 3. The printed wiring board printhead for forming an image on electric paper of claim 1 wherein said driving means is an integrated chip bonded to said plurality of conductive bonding pads.

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- 4. The printed wiring board printhead for forming an image on electric paper of claim 1 wherein said plurality of electrodes comprises said plurality of conductive traces formed on said first planar surface of said glass substrate, said plurality of conductive traces being formed of a first metal, and a plurality of electrode layers formed on said first planar surface of said glass substrate over said plurality of conductive traces and partially on said edge of said glass substrate, said plurality of electrode layers being formed of a second metal.
- 5. The printed wiring board printhead for forming an image on electric paper of claim 4 wherein said first metal of said plurality of conductive traces is copper.
 - 6. The printed wiring board printhead for forming an image on electric paper of claim 5 wherein said second metal of said plurality of electrode layers is rhodium/platinum.
 - 7. The printed wiring board printhead for forming an image on electric paper of claim 5 wherein said second metal of said plurality of electrode layers is rhodium/platinum.
- 8. The printed wiring board printhead for forming an image on electric paper of claim 1 further comprising an isolation resistor formed on each of said plurality of conductive traces.
- 9. The printed wiring board printhead for forming an image on electric paper of claim 1
 25 further comprising a mount attached to said second planar surface of said glass substrate.